CUBIT Capability Proposal

Technical Area
Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead
Cubit Developer in charge of technical area

Infrastructure / Mesh Database	Darryl

MRD Description
Describe the capability in terms of how a user would see it.

None – Not visible to user

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

Provide a framework for mesh import, similar to the mesh export framework put in place last year.

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

There are currently a couple of unrelated mesh import capabilities. It may make sense to place these all under a common framework. That way we'll be sharing code where appropriate, and encouraging common behavior among the various import capabilities. Adding import of new mesh file types will be easier if a framework is already in place. Using a common import framework would also better avail itself to a common Python interface to mesh import. 1. Design import framework 2. Implement framework 3. Convert one or more import capabilities to new framework.

Resources
Who will work on this

Time estimate
How much time will it take in man-weeks

Targeted Release
10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Clint / Karl	6 weeks	10.3

Submitted By: | **Date:**
Darryl	3/28/06